

10532297

DISPLAY OF REQUESTED COMPOUND

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 152459-95-5 REGISTRY

ED Entered STN: 25 Jan 1994

CN Benzamide, 4-[(4-methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]phenyl]- (CA INDEX NAME)

OTHER NAMES:

CN 4-(4-Methylpiperazin-1-ylmethyl)-N-[4-methyl-3-[[4-(pyridin-3-yl)pyrimidin-2-yl]amino]phenyl]benzamide

CN CGP 57148

CN Imatinib

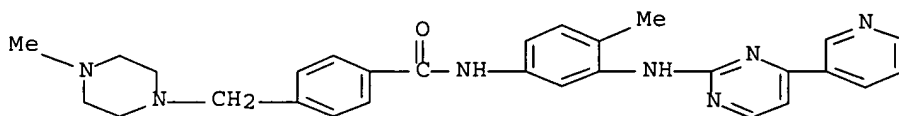
MF C29 H31 N7 O

CI COM

SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)

STN 571



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

880 REFERENCES IN FILE CA (1907 TO DATE)

20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

893 REFERENCES IN FILE CAPLUS (1907 TO DATE)

ED Entered STN: 25 Jan 1994

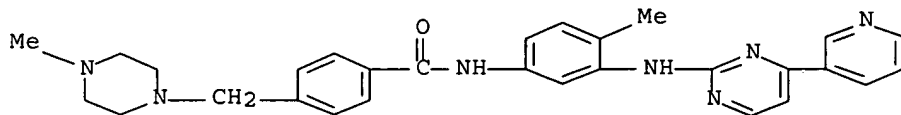
SEARCH IN REGISTRY, CAPLUS, AND USPATFULL

=> d que stat l8

L1 1 SEA FILE=REGISTRY ABB=ON 152459-95-5/RN
 L2 893 SEA FILE=HCAPLUS ABB=ON L1
 L3 3 SEA FILE=HCAPLUS ABB=ON L2 AND (?PULM? OR ?LUNG?) (W)?HYPERTENS
 ?
 L5 3 SEA FILE=USPATFULL ABB=ON L2 AND (?PULM? OR ?LUNG?) (W)?HYPERTE
 NS?
 L6 6 DUP REMOV L3 L5 (0 DUPLICATES REMOVED)
 L7 2 SEA L6 AND (PRD<20021025 OR PD<20021025)
 L8 6 SEA L6 OR L7

=> d ibib abs hitstr l8 1-6

L8 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2007:204044 HCAPLUS Full-text
 DOCUMENT NUMBER: 146:226255
 TITLE: Therapeutical Effect of Imatinib (STI571), a
 Protein-Tyrosine Kinase Inhibitor in the Monocrotaline
 Rat Model of Pulmonary Hypertension
 AUTHOR(S): Dony, Eva Maria Marlene
 CORPORATE SOURCE: Germany
 SOURCE: (2006) No pp. Avail.: Metadata on Internet Documents,
 Order No. 367520
 From: Metadata Internet Doc. [Ger. Diss.] 2006,
 (D0220-3), No pp. given
 URL: <http://www.meind.de/search.py?recid=367520>
 DOCUMENT TYPE: Dissertation
 LANGUAGE: German
 AB Unavailable
 IT 152459-95-5, Imatinib
 RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL
 (Biological study); USES (Uses)
 (therapeutical effect of imatinib (STI571), a protein-tyrosine kinase
 inhibitor in the monocrotaline rat model of pulmonary
 hypertension)
 RN 152459-95-5 HCAPLUS
 CN Benzamide, 4-[(4-methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-
 pyridinyl)-2-pyrimidinyl]amino]phenyl]- (CA INDEX NAME)



L8 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2007 ACS on STN
 ACCESSION NUMBER: 2007:187625 HCAPLUS Full-text
 TITLE: Future aspects of the treatment of pulmonary arterial
 hypertension
 AUTHOR(S): Ghofrani, H. Ardeschir; Rosenkranz, S.; Grimminger, F.
 CORPORATE SOURCE: Medizinische Klinik II/V, Abteilung Innere Medizin,
 Universitaetsklinikum Giessen und Marburg, Giessen,
 D-35392, Germany

10/532,297

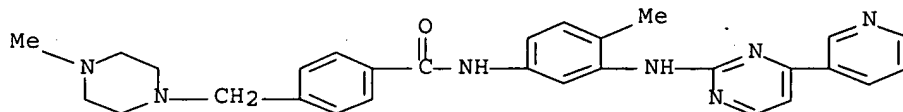
SOURCE: Deutsche Medizinische Wochenschrift (2006), 131(49, Suppl. 9), S338-S341
 PUBLISHER: Georg Thieme Verlag
 DOCUMENT TYPE: Journal; General Review
 LANGUAGE: German

AB A review on therapy of pulmonary arterial hypertension with Tyr kinase inhibitors (imatinib). Therapeutic potential is discussed of NO-independent stimulators and activators of soluble guanylate cyclase. Therapy is recommended of pulmonary hypertension in earlier stages.

IT 152459-95-5, Imatinib
 RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (treatment of pulmonary arterial hypertension)

RN 152459-95-5 HCAPLUS

CN Benzamide, 4-[(4-methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]phenyl]- (CA INDEX NAME)



L8 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:368928 HCAPLUS Full-text

DOCUMENT NUMBER: 140:368686

TITLE: Use of N-[5-(4-(4-methylpiperazinomethyl)benzoylamido)-2-methylphenyl]-4-(3-pyridyl)-2-pyrimidineamine for the treatment of pulmonary hypertension

INVENTOR(S): Lasky, Joseph Alexander

PATENT ASSIGNEE(S): The Administrators of the Tulane Educational Fund, USA

SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

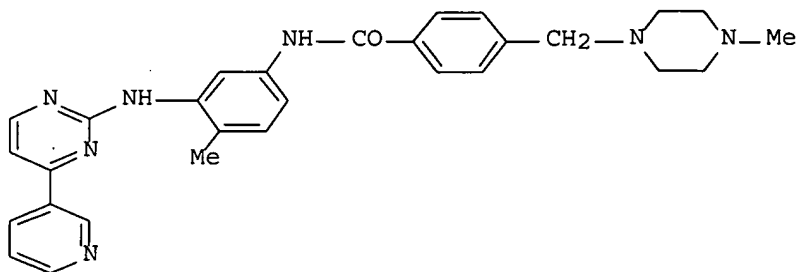
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004037261	A1	20040506	WO 2003-IB4671	20031020
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
AU 2003272007	A1	20040513	AU 2003-272007	20031020
JP 2006505582	T	20060216	JP 2004-546290	20031020
US 2006154936	A1	20060713	US 2005-532297	20050824
PRIORITY APPLN. INFO.:			US 2002-421318P	P 20021025
			WO 2003-IB4671	W 20031020

GI



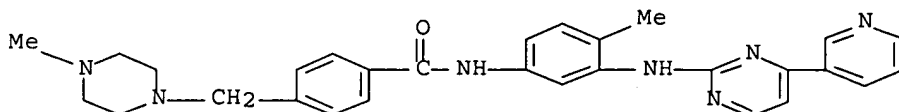
AB The invention discloses the use of I, or a pharmaceutically acceptable salt thereof, for the manufacture of a medicament for the treatment of pulmonary hypertension.

IT 152459-95-5

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pyrimidineamine derivative for treatment of pulmonary hypertension)

RN 152459-95-5 HCAPLUS

CN Benzamide, 4-[(4-methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]aminophenyl]- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2006:248314 USPATFULL Full-text

TITLE: Protein kinase modulators and methods of use

INVENTOR(S): Buhr, Chris A., Redwood City, CA, UNITED STATES

Baik, Tae-Gon, Foster City, CA, UNITED STATES

Ma, Sunghoon, Foster City, CA, UNITED STATES

Tesfai, Zerom, San Leandro, CA, UNITED STATES

Wang, Longcheng, South San Francisco, CA, UNITED STATES

Co, Erick Wang, Redwood City, CA, UNITED STATES

Epshteyn, Sergey, Fremont, CA, UNITED STATES

Kennedy, Abigail R., San Leandro, CA, UNITED STATES

Chen, Baili, Palo Alto, CA, UNITED STATES

Dubenko, Larisa, San Francisco, CA, UNITED STATES

Anand, Neel Kumar, Burlingame, CA, UNITED STATES

Tsang, Tsze H., El Cerrito, CA, UNITED STATES

Nuss, John M., Danville, CA, UNITED STATES

Peto, Csabaj, Alameda, CA, UNITED STATES

Rice, Kenneth D., Mill Valley, CA, UNITED STATES

Ibrahim, Mohamed Abdulkader, Mountain View, CA, UNITED STATES

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Shi, Xian, San Bruno, CA, UNITED STATES
 Leahy, James William, San Leandro, CA, UNITED STATES
 Chen, Jeff, San Francisco, CA, UNITED STATES
 Dalrymple, Lisa Esther, San Francisco, CA, UNITED STATES
 Forsyth, Timothy Patrick, Hayward, CA, UNITED STATES
 Huynh, Tai Phat, Oakland, CA, UNITED STATES
 Mann, Grace, Brisbane, CA, UNITED STATES
 Mann, Larry Wayne, Redwood City, CA, UNITED STATES
 Takeuchi, Craig Stacy, Burlingame, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006211709	A1	20060921
APPLICATION INFO.:	US 2003-513081	A1	20030502 (10)
	WO 2003-US13869		20030502
			20050727 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	DE 2003-103	20030109
	US 2002-377933P	20020503 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP, 300 S. WACKER DRIVE, 32ND FLOOR, CHICAGO, IL, 60606, US	
NUMBER OF CLAIMS:	56	
EXEMPLARY CLAIM:	1	
LINE COUNT:	18707	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Substituted aryl 1,4-pyrazine derivatives and their use in treating anxiety disorders, depression and stress related disorders are disclosed.

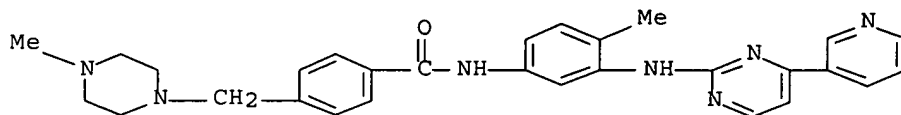
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 152459-95-5, Imatinib

(preparation of substituted pyrazines as protein kinase modulators for use in combination with other cancer therapeutic agents)

RN 152459-95-5 USPATFULL

CN Benzamide, 4-[(4-methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]aminophenyl]- (CA INDEX NAME)



L8 ANSWER 5 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2006:182532 USPATFULL Full-text

TITLE: Use of n-'5-'4-(4-methylpiperaziomethyl)-benzoylamido!-2-methylphenyl!-4-(3-pyridyl)2-pyridine-amine for the treatment of pulmonary hypertension

INVENTOR(S): Lasky, Joseph Alexander, New Orleans, LA, UNITED STATES

NUMBER	KIND	DATE

10/532,297

PATENT INFORMATION: US 2006154936 A1 20060713
 APPLICATION INFO.: US 2003-532297 A1 20031020 (10)
 WO 2003-IB4671 20031020
 20050824 PCT 371 date

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-421318P	20021025 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NOVARTIS, CORPORATE INTELLECTUAL PROPERTY, ONE HEALTH PLAZA 104/3, EAST HANOVER, NJ, 07936-1080, US	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	363	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention pertains to the use of 4-(4-methylpiperazin-1-ylmethyl)-N-[4-methyl-3-(4-pyridin-3-yl)pyrimidin-2-ylamino]phenyl]-benzamide of the formula I ##STR1## or a pharmaceutically acceptable salt thereof for the manufacture of a medicament for the treatment of pulmonary hypertension.

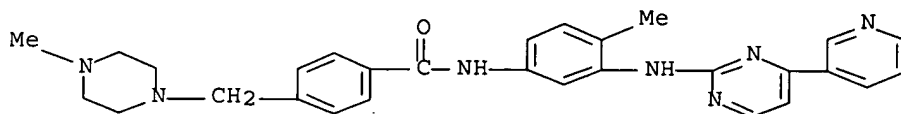
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 152459-95-5

(pyrimidineamine derivative for treatment of pulmonary hypertension)

RN 152459-95-5 USPATFULL

CN Benzamide, 4-[(4-methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]phenyl]- (CA INDEX NAME)



L8 ANSWER 6 OF 6 USPATFULL on STN

ACCESSION NUMBER: 2005:144884 USPATFULL Full-text

TITLE: 4-(4-methylpiperazin-1-ylmethyl)-n-[4-methyl-3-(4-pyridin-3-yl)pyrimidin-2-yl-amino]phenyl]-benzamide for threatening ang ii-mediated diseases

INVENTOR(S): Gilbert, Richard Ernest, Victoria, AUSTRALIA
 Kelly, Darren James, Victoria, AUSTRALIA
 Feldman, David Louis, Teaneck, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005124624	A1	20050609
APPLICATION INFO.:	US 2003-507642	A1	20030314 (10)
	WO 2003-EP2709		20030314

	NUMBER	DATE	
PRIORITY INFORMATION:	GB 2002-216	20020315	<--
	GB 2003-206217	20020315	<--
	GB 2003-217505	20020729	<--
DOCUMENT TYPE:	Utility		

FILE SEGMENT: APPLICATION
 LEGAL REPRESENTATIVE: NOVARTIS, CORPORATE INTELLECTUAL PROPERTY, ONE HEALTH
 PLAZA 104/3, EAST HANOVER, NJ, 07936-1080, US
 NUMBER OF CLAIMS: 27
 EXEMPLARY CLAIM: 1
 LINE COUNT: 1641

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A PDGF receptor tyrosine kinase inhibitor, especially a 4-(4-methylpiperazin-1-ylmethyl)-N-[4-methyl-3-(4-pyridin-3-yl)pyrimidin-2-ylamino]phenyl]-benzamide of the formula I ##STR1## or a pharmaceutically acceptable salt thereof can be used in the treatment of angiotensin II-induced diseases and a combination which comprises (a) a PDGF receptor tyrosine kinase inhibitor preferably N-{5-[4-(4-methyl-piperazino-methyl)-benzoylamido]-2-methylphenyl}-4-(3-pyridyl)-2-pyrimidine-amine and (b) at least one compound selected from an antihypertensive, an aldosterone antagonist, an aldosterone synthase inhibitor and/or an angiotensin receptor blocker agent and optionally at least one pharmaceutically acceptable carrier for simultaneous, separate or sequential use, in particular for the treatment of hypertension and hypertension-induced diseases.

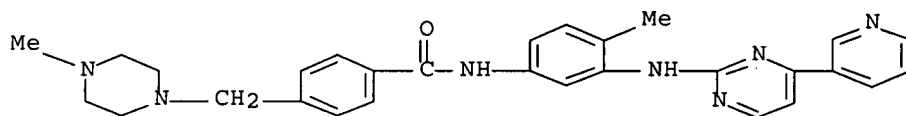
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 152459-95-5, Imatinib

(Imatinib for treating angiotensin II-mediated diseases)

RN 152459-95-5 USPATFULL

CN Benzamide, 4-[(4-methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]phenyl]- (CA INDEX NAME)



SEARCH HISTORY

(**PLEASE NOTE: The requested structure was searched by its Registry Number and also by the structure derived from the RN, yielding the same results (see L14).

=> d his ful

(FILE 'HOME' ENTERED AT 17:23:45 ON 23 MAR 2007)

FILE 'REGISTRY' ENTERED AT 17:23:51 ON 23 MAR 2007

L1 1 SEA ABB=ON 152459-95-5/RN

FILE 'HCAPLUS' ENTERED AT 17:24:40 ON 23 MAR 2007

L2 893 SEA ABB=ON L1

L3 3 SEA ABB=ON L2 AND (?PULM? OR ?LUNG?) (W)?HYPERTENS?

L4 0 SEA ABB=ON L3 AND (PRD<20021025 OR PD<20021025)

FILE 'USPATFULL' ENTERED AT 17:25:42 ON 23 MAR 2007

L5 3 SEA ABB=ON L2 AND (?PULM? OR ?LUNG?) (W)?HYPERTENS?

FILE 'HCAPLUS, USPATFULL' ENTERED AT 17:25:55 ON 23 MAR 2007

L6 6 DUP REMOV L3 L5 (0 DUPLICATES REMOVED)

L7 2 SEA ABB=ON L6 AND (PRD<20021025 OR PD<20021025)

L8 6 SEA ABB=ON L6 OR L7

FILE 'MEDLINE, BIOSIS, JAPIO, JICST-EPLUS, EMBASE' ENTERED AT 17:27:14 ON 23 MAR 2007

FILE 'REGISTRY' ENTERED AT 17:31:14 ON 23 MAR 2007

L9 STRUCTURE 152459-95-5

L10 5 SEA SSS SAM L9

L11 126 SEA SSS FUL L9

FILE 'HCAPLUS' ENTERED AT 17:31:41 ON 23 MAR 2007

L12 2416 SEA ABB=ON L11

L13 6 SEA ABB=ON L12 AND (?PULM? OR ?LUNG?) (3A)?HYPERTENS?

L14 6 SEA ABB=ON L8 OR L13

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 22 MAR 2007 HIGHEST RN 927959-98-6

DICTIONARY FILE UPDATES: 22 MAR 2007 HIGHEST RN 927959-98-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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<http://www.cas.org/ONLINE/UG/regprops.html>

FILE HCAPLUS

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FILE COVERS 1907 - 23 Mar 2007 VOL 146 ISS 14
FILE LAST UPDATED: 22 Mar 2007 (20070322/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 22 Mar 2007 (20070322/PD)
FILE LAST UPDATED: 22 Mar 2007 (20070322/ED)
HIGHEST GRANTED PATENT NUMBER: US7194769
HIGHEST APPLICATION PUBLICATION NUMBER: US2007067883
CA INDEXING IS CURRENT THROUGH 22 Mar 2007 (20070322/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 22 Mar 2007 (20070322/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2006

FILE MEDLINE

FILE LAST UPDATED: 20 Mar 2007 (20070320/UP). FILE COVERS 1950 TO DATE.

All regular MEDLINE updates from November 15 to December 16 have been added to MEDLINE, along with 2007 Medical Subject Headings (MeSH(R)) and 2007 tree numbers.

The annual reload will be available in early 2007.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 21 March 2007 (20070321/ED)

FILE JAPIO

FILE LAST UPDATED: 20 MAR 2007 <20070320/UP>
FILE COVERS APRIL 1973 TO NOVEMBER 30, 2006

>>> GRAPHIC IMAGES AVAILABLE <<<

FILE JICST-EPLUS

10/532,297

FILE COVERS 1985 TO 19 MAR 2007 (20070319/ED)

The database producer has informed us that as of March 31, 2007, they will no longer provide updates for the JICST-EPLUS file. Therefore, effective March 31, 2007, JICST-EPLUS will be removed from STN.

FILE EMBASE

FILE COVERS 1974 TO 23 Mar 2007 (20070323/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default) and biweekly.

This file contains CAS Registry Numbers for easy and accurate substance identification.